George T. “Rusty” Gray named TMS Fellow

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George T. “Rusty” Gray III of the Lab's Materials Science in Radiation and Dynamics Extremes group has been named a 2013 Fellow by the Minerals, Metals and Materials Society (TMS). The TMS cited Gray for “innovative science and engineering, impact and leadership in the field of dynamic behavior of materials.”

To be inducted, a candidate must be recognized as an eminent authority and contributor within the broad field of metallurgy, with a strong consideration of outstanding service to the Society. Gray is one of four new Fellows to be honored at the March TMS annual meeting in San Antonio, Texas.

Research achievements

Gray received a doctorate in metallurgical engineering from Carnegie Mellon University and joined LANL in 1985. His research interests are in the structure/property behavior of materials under extreme conditions and the development and validation of predictive models of the strength and damage behavior of materials. He is a Fellow of ASM International, American Physical Society, and LANL.

Gray has been a visiting Fellow at Cambridge University and a Visiting Scholar at the University of California, San Diego. He has served on National Academies of Sciences advisory boards and panels, Acta Materials Board of Governors, and Adjunct Professor at Ohio State University. Gray has received a Los Alamos National Laboratory Fellows Prize, two Individual Distinguished Performance Awards and an Award for Excellence in Technology Transfer.

Gray joined TMS in 1986. He has

- Served on the Programming, Titanium, and Mechanical Behavior committees
- Completed two terms on the board of directors
- Chaired the Board of Key Readers overseeing several journals, and served as president
- Received the Structural Materials Division’s Distinguished Scientist/Engineer Award “for significant contributions to the structure property correlation in materials, especially in the high-strain rate regime.”
- As TMS president, broadened the society’s international reach through conferences with the Brazilian Metallurgical Society and the Canadian Metallurgical Society, helped organize an Energy Materials Blue Ribbon panel to explore how advances

in materials science and engineering could contribute to an energy-efficient and low-carbon economy, and spearheaded a study on volunteerism, one of his personal passions.

About the TMS

Headquartered in the United States but international in both its membership and activities, the TMS encompasses the entire range of materials and engineering, from minerals processing and primary metals production to basic research and the advanced applications of materials. With 11,000 members worldwide, its mission is to promote the global science and engineering professions concerned with minerals, metals and materials.

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